

Title (en)

VIRTUAL PRIVATE NETWORK MECHANISM INCORPORATING SECURITY ASSOCIATION PROCESSOR

Title (de)

MECHANISMUS MIT SICHERHEITSASSOZIATIONSPROZESSOR FÜR VIRTUELLE PRIVATNETZWERKE

Title (fr)

MECANISME DE RESEAU PRIVE VIRTUEL INTEGRANT UN PROCESSEUR D'ASSOCIATIONS DE SECURITE

Publication

**EP 1405452 B1 20130116 (EN)**

Application

**EP 02749145 A 20020710**

Priority

- IB 0202720 W 20020710
- US 90277001 A 20010710

Abstract (en)

[origin: WO03007524A2] A novel and useful virtual private network (VPN) mechanism and related security association processor for maintaining the necessary security related parameters to perform security functions such as encryption, decryption and authentication. A security association database (SAD) and related circuitry is adapted to provide the necessary parameters to implement the IPSec group of security specifications for encryption/decryption and authentication. Each security association (SA) entry in the database comprises all the parameters that are necessary to receive and transmit VPN packets according to the IPSec specification.

IPC 8 full level

**H04L 12/66** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP US)

**H04L 63/0485** (2013.01 - EP US); **H04L 63/0272** (2013.01 - EP US); **H04L 63/164** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03007524 A2 20030123**; **WO 03007524 A3 20030530**; AU 2002319557 A1 20030129; BR 0205727 A 20040706; BR PI0205727 B1 20170124; CA 2452052 A1 20030123; CA 2452052 C 20121127; CN 100479451 C 20090415; CN 101494649 A 20090729; CN 101494649 B 20120822; CN 1600011 A 20050323; EP 1405452 A2 20040407; EP 1405452 B1 20130116; JP 2005508585 A 20050331; JP 4344609 B2 20091014; US 2004117653 A1 20040617; US 7107464 B2 20060912

DOCDB simple family (application)

**IB 0202720 W 20020710**; AU 2002319557 A 20020710; BR 0205727 A 20020710; CA 2452052 A 20020710; CN 02815510 A 20020710; CN 200910008183 A 20020710; EP 02749145 A 20020710; JP 2003513166 A 20020710; US 90277001 A 20010710